

WHAT IS CLAIMED IS:

1. A both-side recording apparatus constructed so that a first sheet passing path for guiding a recording medium conveyed from an automatic sheet supplying section, and a second sheet passing path for guiding the recording medium conveyed to an automatic reversing section and conveyed from the automatic reversing section share a part of them with each other,
  - 10 wherein a guide member being said shared part of the sheet passing paths is capable of taking a first position of the first sheet passing path and a second position for the second sheet passing path.
2. The both-side recording apparatus according to claim 1, wherein said guide member is adjacent to a sheet feeding roller, a pinch roller capable of opposingly contacting said sheet feeding roller with pressure and separating from said sheet feeding roller is placed at said sheet feeding roller, and said guide member moves in synchronism with a timing of the contact with pressure or the separation of said pinch roller.
3. The both-side recording apparatus according to claim 2, wherein said guide member is biased with an elastic member to the first position, and is moved

to the second position in synchronism with movement from the contact with pressure to the separation of said pinch roller when both-side recording is carried out.

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4. The both-side recording apparatus according to claim 2, wherein said guide member is always biased to the second position, and is capable of moving to the first position in synchronism with movement from the separation to the contact with pressure of said pinch roller when the recording medium is conveyed from the automatic sheet supplying section.

15 5. The both-side recording apparatus according to claim 2, wherein said both-side recording apparatus is capable of taking a first state in which said pinch roller is in contact with said sheet feeding roller with pressure and said guide member is in the first position, a second state in which said pinch roller is separated from said sheet feeding roller and said guide member is in the second position, and a third state in which said pinch roller is in contact with said sheet feeding roller with pressure and said guide member is in the second position.

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6. The both-side recording apparatus according to claim 5, wherein a space between recording means and the recording medium is variable in synchronism with said first state or said second state or said  
5 third state.

7. The both-side recording apparatus according to claim 5, wherein pressure which brings said pinch roller into contact with said sheet feeding roller  
10 with pressure is variable in synchronism with said first state or said second state or said third state.

8. The both-side recording apparatus according to claim 5, wherein a detecting lever for detecting  
15 presence or absence of the recording medium is brought into a retreated or a detectable state in synchronism with said first state or said second state or said third state.

20 9. A both-side recording apparatus having a guide member for guiding a tip end of a recording medium to a nip portion of a sheet feeding roller wherein a first sheet passing path for guiding the recording medium conveyed from an automatic sheet  
25 supplying section and a second sheet passing path for guiding the recording medium conveyed to an automatic reversing section and conveyed from the automatic

reversing section share a part of them,

wherein said guide member is capable of taking  
a first position for the first sheet passing path and  
a second position for the second sheet passing path,  
5 said guide member takes the second position when the  
recording medium is conveyed from the sheet feeding  
roller to the automatic reversing section, and moves  
to the first position from the second position, after  
the recording medium passes through the guide member  
10 before the recording medium is nipped by the sheet  
feeding roller again from the automatic reversing  
section.

10. A both-side recording apparatus for  
15 performing recording onto a recording medium in a  
recording section, comprising:

feeding means for feeding the recording medium;  
a conveying roller for conveying the recording  
medium to said recording section;

20 a pinch roller for nipping the recording medium  
in cooperation with said conveying roller;

a reversing section for reversing a front and a  
back of the recording medium conveyed in an opposite  
direction from the recording section by said  
25 conveying roller; and

a guide member capable of moving to a first  
position and a second position, located in the first

position to guide the recording medium conveyed from  
said feeding means or said reversing section to a nip  
of said conveying roller and said pinch roller, and  
located in the second position to guide the recording  
5 medium conveyed in the opposite direction from the  
recording section by said conveying roller to said  
reversing section,

wherein a tip end of the recording medium fed  
from said feeding means or said reversing section  
10 abuts to the nip of said conveying roller and said  
pinch roller and is subjected to oblique motion  
correction, and thereafter, is conveyed to said  
recording section by said conveying roller.

15 11. The both-side recording apparatus according  
to claim 10, wherein a first conveying path for  
guiding the recording medium to said conveying roller  
from said feeding means is placed above a second  
conveying path for guiding the recording medium to  
20 said reversing section from said conveying roller.

12. The both-side recording apparatus according  
to claim 11, wherein said pinch roller contacts said  
conveying roller at a position of said conveying  
25 roller deviated to the recording section.

13. The both-side recording apparatus according

to claim 12, wherein said first position is higher than the second position.

14. The both-side recording apparatus according  
5 to claim 13, wherein said guide member located in the first position guides said recording medium to said nip from the position higher than the nip of said conveying roller and said pinch roller.

10 15. The both-side recording apparatus according to claim 14, wherein a guide surface of said guide member for the recording medium is a convex shape in which an end portion at an upstream side and an end portion at a downstream side are low.

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16. A both-side recording apparatus for performing recording onto a recording medium in a recording section, comprising:

feeding means for feeding the recording medium;  
20 a conveying roller for conveying the recording medium to said recording section;

a pinch roller for nipping the recording medium in cooperation with said conveying roller;

a reversing section for reversing a front and a  
25 back of the recording medium conveyed in an opposite direction from the recording section by said conveying roller; and

a guide member capable of moving to a first position and a second position, located in the first position to guide the recording medium conveyed from said feeding means or said reversing section to a nip  
5 of said conveying roller and said pinch roller, and located in the second position to guide the recording medium conveyed in the opposite direction from the recording section by said conveying roller to said reversing section,  
10 wherein a tip end of the recording medium fed from said feeding means or said reversing section abuts to the nip of said conveying roller and said pinch roller and is subjected to oblique motion correction, and thereafter, is conveyed to said  
15 recording section by said conveying roller, and wherein when said guide member guides the recording medium fed from said reversing section to the nip of said conveying roller and said pinch roller, said guide member is located in the first  
20 position when the recording medium is thin, and said guide member is located in the second position when the recording medium is thick.

17. The both-side recording apparatus according  
25 to claim 16, wherein a first conveying path for guiding the recording medium to said conveying roller from said feeding means is disposed above a second

conveying path for guiding the recording medium to  
said reversing section from said conveying roller.

18. The both-side recording apparatus according  
5 to claim 17, wherein said pinch roller contacts said  
conveying roller at a position of said conveying  
roller deviated to the recording section.

19. The both-side recording apparatus according  
10 to claim 18, wherein said first position is higher  
than said second position.

20. The both-side recording apparatus according  
to claim 19, wherein said guide member located in the  
15 first position guides said recording medium to said  
nip from a higher position than the nip of said  
conveying roller and said pinch roller.

21. The both-side recording apparatus according  
20 to claim 20, wherein a guide surface of said guide  
member for the recording medium is a convex shape in  
which an end portion at an upstream side and an end  
portion at a downstream side are low.